

## Patent Abstracts of Japan

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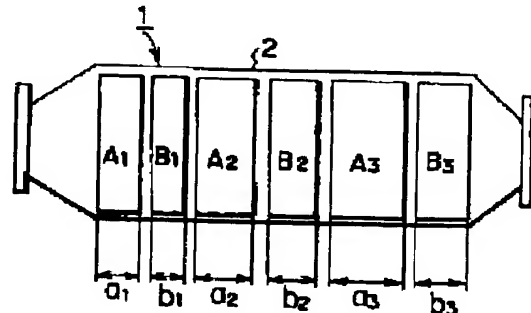
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TITLE : CATALYST CONVERTER DEVICE



**ABSTRACT :** PROBLEM TO BE SOLVED: To provide an exhaust emission control device which enhances the conversion performance of HC by a three way catalyst, while sufficiently securing the absorption capacity of an HC absorption material and suppresses the exhaust of HC in cold working by improving the array structure of the HC absorption material and three way catalyst.

**SOLUTION:** HC absorption materials A<sub>1</sub>, A<sub>2</sub>, A<sub>3</sub> and three way catalysts B<sub>1</sub>, B<sub>2</sub>, B<sub>3</sub> are provided to be arranged from the up stream side to the down stream side of an exhaust passage A<sub>1</sub>, B<sub>1</sub>, A<sub>2</sub>, B<sub>2</sub>, A<sub>3</sub>, B<sub>3</sub> in this order, the HC absorption materials A<sub>1</sub>, A<sub>2</sub>, A<sub>3</sub> are so set as to divide the capacity of the HC absorption material having a prescribed absorption performance into three, and the three way catalysts B<sub>1</sub>, B<sub>2</sub>, B<sub>3</sub> are so set as to divide the capacity of the three way catalyst having a prescribed three way performance into three. Respective carriers of all the HC absorption materials and the three way catalysts have such relation that the heat capacity increases more from the upstream side of the exhaust passage toward the downstream side, and a carrier of an adjoining HC absorption material and a carrier of the three way catalyst are set to such a relation that the heat capacity of the carrier of the HC absorption material is large and the heat capacity of the carrier of the three way catalyst is small.

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